



Jeddah Knowledge International School
IXL Grade 8 going to 9 Summer Study Breakdown
(2020-2021)

Part 1:

Please be informed that all grade 9 students shall be issued a diagnostic test. This shall take place for one period during the first 2 weeks of the new academic year. The test will be based on the concepts below:

- Percentages
- Solving multi-step equations and inequalities
- Pythagoras theorem and its converse
- Index laws
- Expanding brackets
- Probability
- Averages
- Angles and polygons

To prepare students are advised to:

- Reflect on problems in their exercise books,
- Attempt all sections of the summer pack,
- Review grade 9 quarters 1 to 4 revision packs which are available through managebac
- Complete all IXL skills below

IXL Skill

W. One variable equations

- Write an equation from words

J. Percents

- Percents of numbers: word problems

R. Pythagorean theorem

- Pythagoras Theorem: word problems

Part 2:

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- Pythagoras theorem and its converse
- Index laws
- Expanding brackets
- Probability
- Averages
- Angles and polygons

To prepare students are advised to:

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IXL Skill

X. One variable inequalities

- Graph solutions to multi-step inequalities

J. Percents

- Solve percent equations

DD. Statistics

- Calculate mean, median, mode, and range

Part 3:

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- Pythagoras theorem and its converse
- Index laws
- Expanding brackets
- Probability
- Averages
- Angles and polygons

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IXL Skill

F. Exponents and roots

- Multiplication and division with exponents

O. Two dimensional figures

- Find missing angles in triangles
- Find missing angles in quadrilaterals I

Please note that The Math IXL HW should be completed before the 2nd of August as this will be the cutoff date for the calculation of scores.